

Title (en)
DYNAMIC METADATA RELOCATION IN MEMORY

Title (de)
DYNAMISCHE METADATENVERLAGERUNG IN EINEM SPEICHER

Title (fr)
RELOCALISATION DYNAMIQUE DE MÉTADONNÉES DANS UNE MÉMOIRE

Publication
EP 4281874 A1 20231129 (EN)

Application
EP 21830887 A 20211206

Priority
• US 202117154345 A 20210121
• US 2021062064 W 20211206

Abstract (en)
[origin: US11288188B1] Metadata is dynamically relocated in a DRAM from a virtual page that does not map to the same DRAM row in which the associated data is located, to that same DRAM row. If the target of a data access request is a location in a first page that is configured to store metadata rather than data, then a second location in a second page may be determined, and the requested data may be accessed at the second location. The associated metadata may be accessed at the location in the first page, which is configured in the virtual domain to store data but is configured in the physical domain to store the metadata associated with the data in the first page.

IPC 8 full level
G06F 12/02 (2006.01)

CPC (source: EP KR US)
G06F 12/0215 (2013.01 - EP KR); **G06F 12/0646** (2013.01 - KR US); **G11C 11/401** (2013.01 - KR); **G06F 2212/1024** (2013.01 - EP KR); **G06F 2212/1041** (2013.01 - KR US); **G06F 2212/466** (2013.01 - EP KR); **G11C 11/401** (2013.01 - US)

Citation (search report)
See references of WO 2022159184A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
US 11288188 B1 20220329; BR 112023013833 A2 20231024; CN 116710900 A 20230905; EP 4281874 A1 20231129; KR 102580484 B1 20230919; KR 20230110838 A 20230725; TW 202232310 A 20220816; WO 2022159184 A1 20220728

DOCDB simple family (application)
US 202117154345 A 20210121; BR 112023013833 A 20211206; CN 202180088795 A 20211206; EP 21830887 A 20211206; KR 20237024206 A 20211206; TW 110146492 A 20211213; US 2021062064 W 20211206